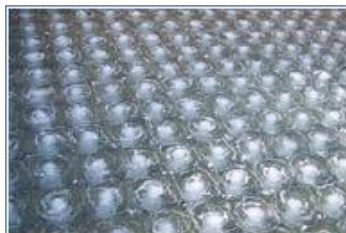


EPDM- disc- diffuser AFD270 / AFD350

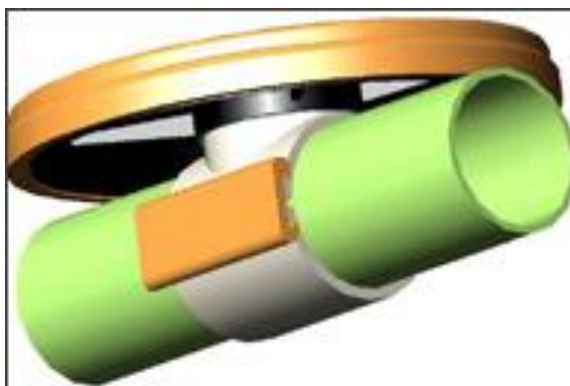


E.M manufactures **disc diffusers** with compression molded membranes. Standard materials are EPDM and fluoroelastomer layered EPDM. Compression molding ensures that we produce a part with even specific gravity and uniform tear resistance. Other molding techniques such as injection molding produce similar looking parts, but the tear resistance of a compression molded part is multidirectional, whereas the tear resistance of an injection molded part tends to be unidirectional just like wood which has a grain.

Data's	Diameter	Height	Perforated surface	Buoyancy	Weight	Tread
AFD 270 - m	270 mm	47 mm	0,038 m ²	16 N	1,4 kg	R ¾ male
AFD 350 - m	350 mm	47 mm	0,070 m ²	18 N	1,6 kg	R ¾ male

Standard 9" Disc -
 Design Flow: (2.5-5.0 Nm³/hr)
 Flow Range:(0-12 Nm³/hr)
 Slit Quantity: 6,600

Standard 12" Disc -
 Design Flow: (4.2-8.3 Nm³/hr)
 Flow Range: (0-20 Nm³/hr)
 Slit Quantity: 10,155

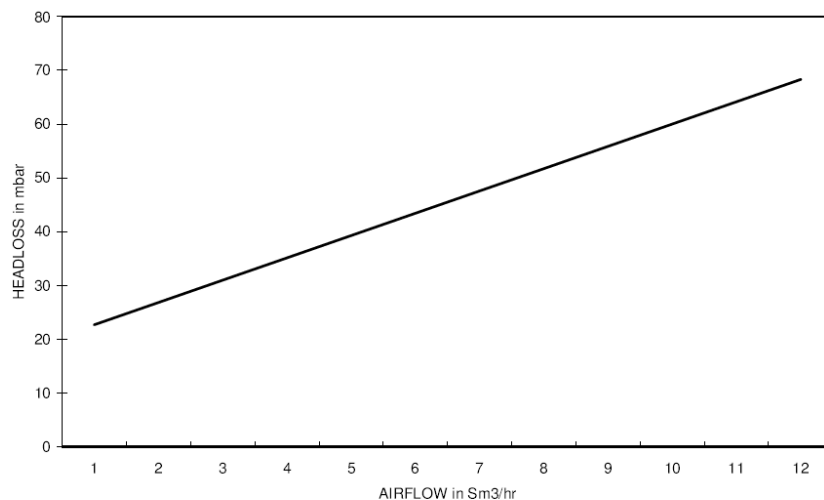


Membrane Diffusers

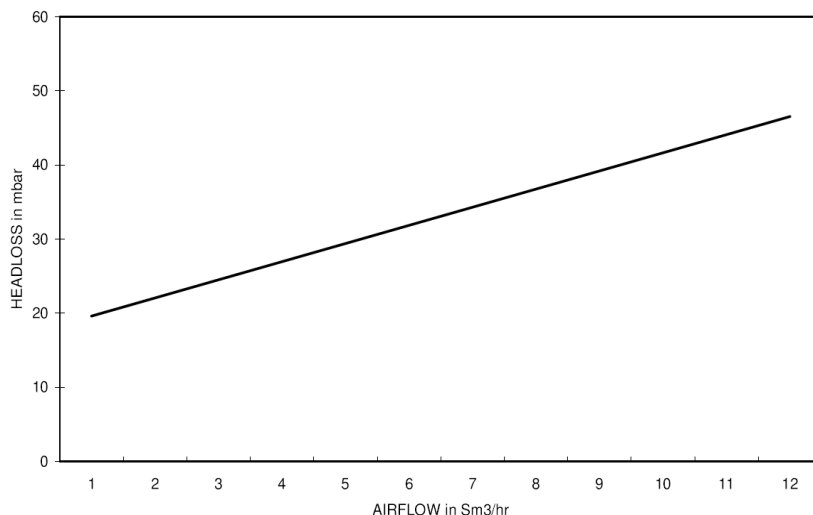
E.M has a great deal of experience experimenting with different types and amounts of plasticizer, as well as other components of formulated EPDM rubber, such as fillers and curatives, and we put this experience to work. Membrane perforation and surface charge are additional considerations. SSI perforates disc membranes from the inside out with specially shaped knives. This results in the smallest part of the perforation on the membrane surface where the bubble is released

Through proprietary compounding and surface treatments, we are able to create a smooth perforation on a hydrophilic surface which quickly releases small bubbles, typically from 1 to 2 mm in diameter

E.M uses environmentally friendly products whenever. Our disc diffuser parts are predominantly made of polypropylene, which offers the added benefit of high temperature resistance up to 212 F (100C)

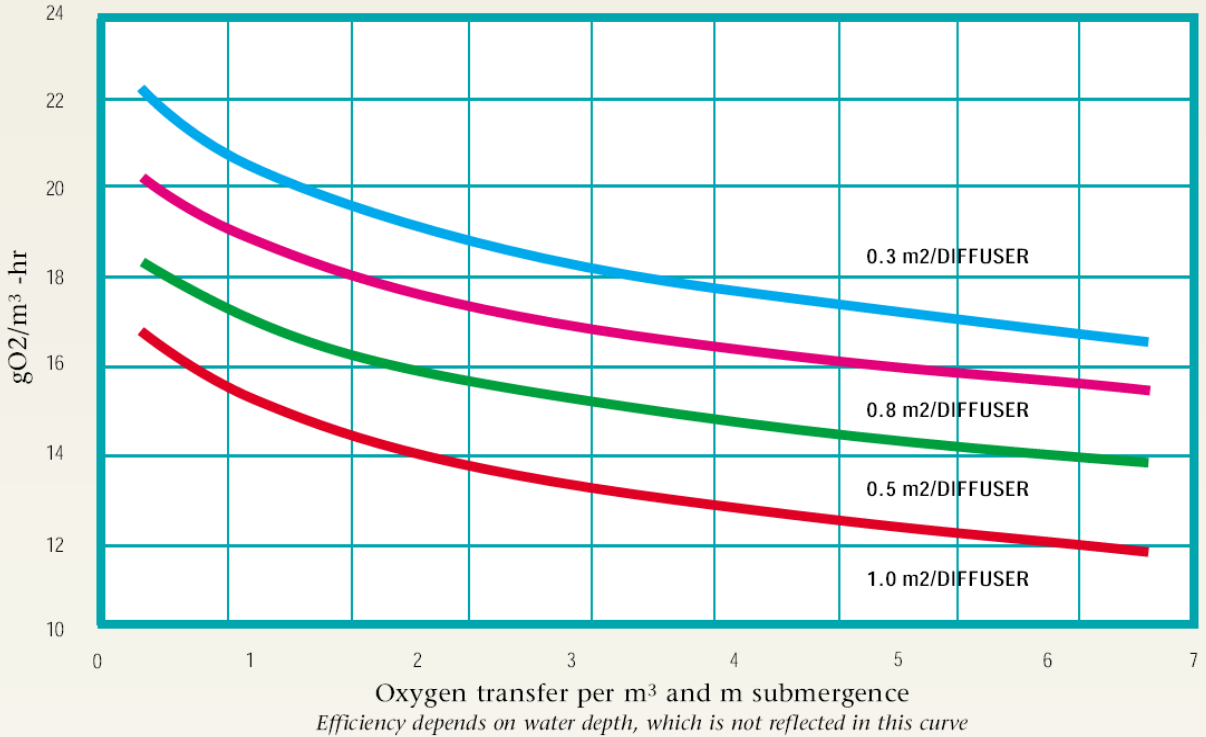


AFD270
Headloss



AFD350
Headloss

AIRFLEX DISC AFD270 EFFICIENCY



AIRFLEX DISC AFD350 EFFICIENCY

